

Fig.1

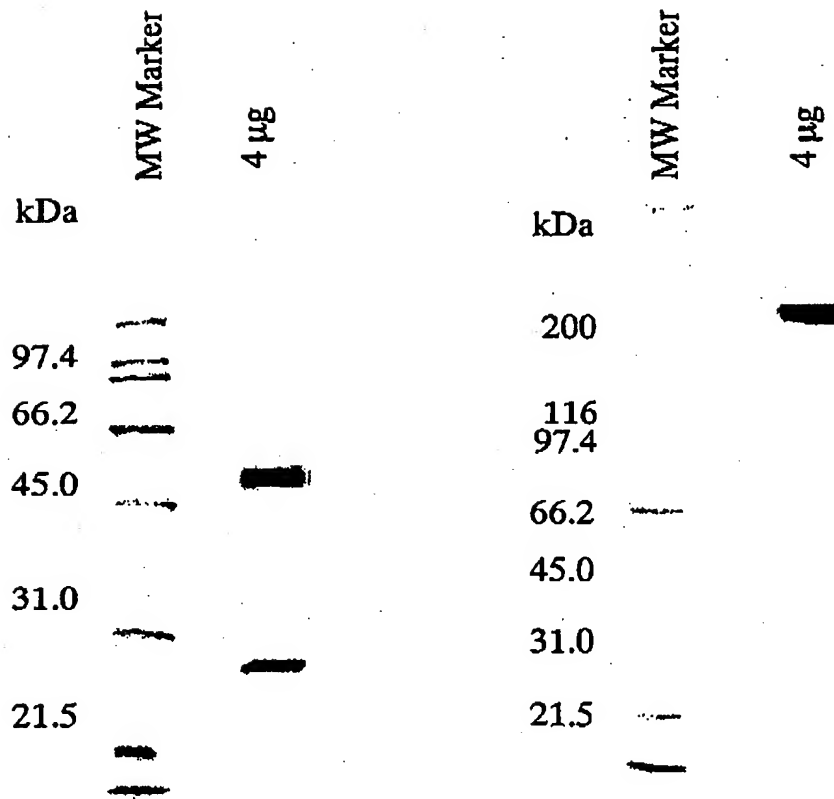


Fig.2

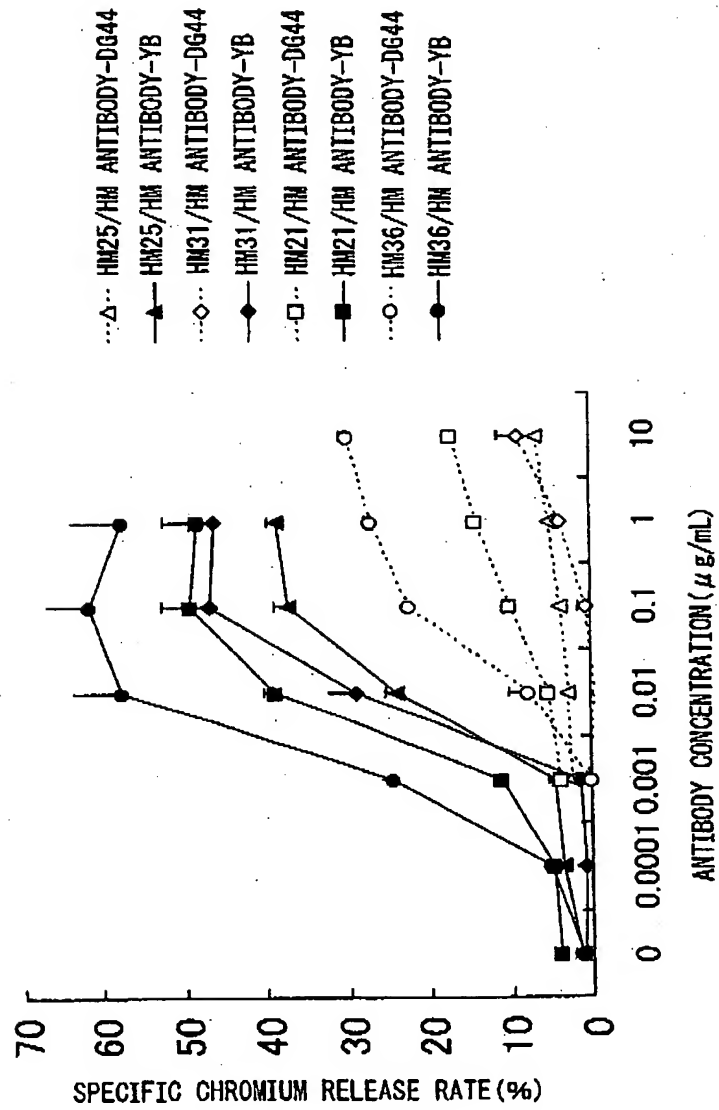


Fig.3

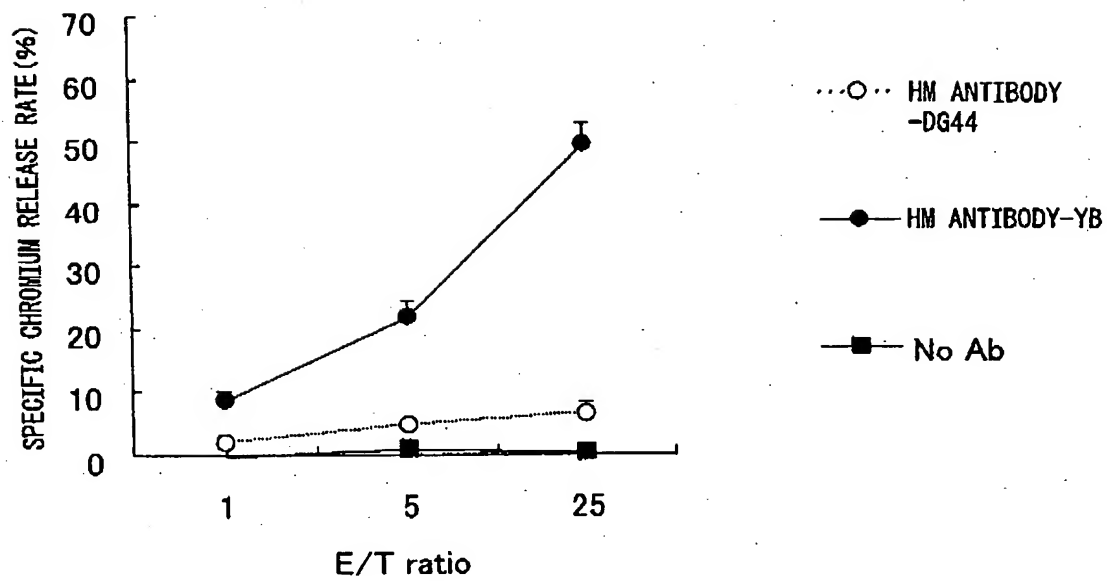


Fig.4

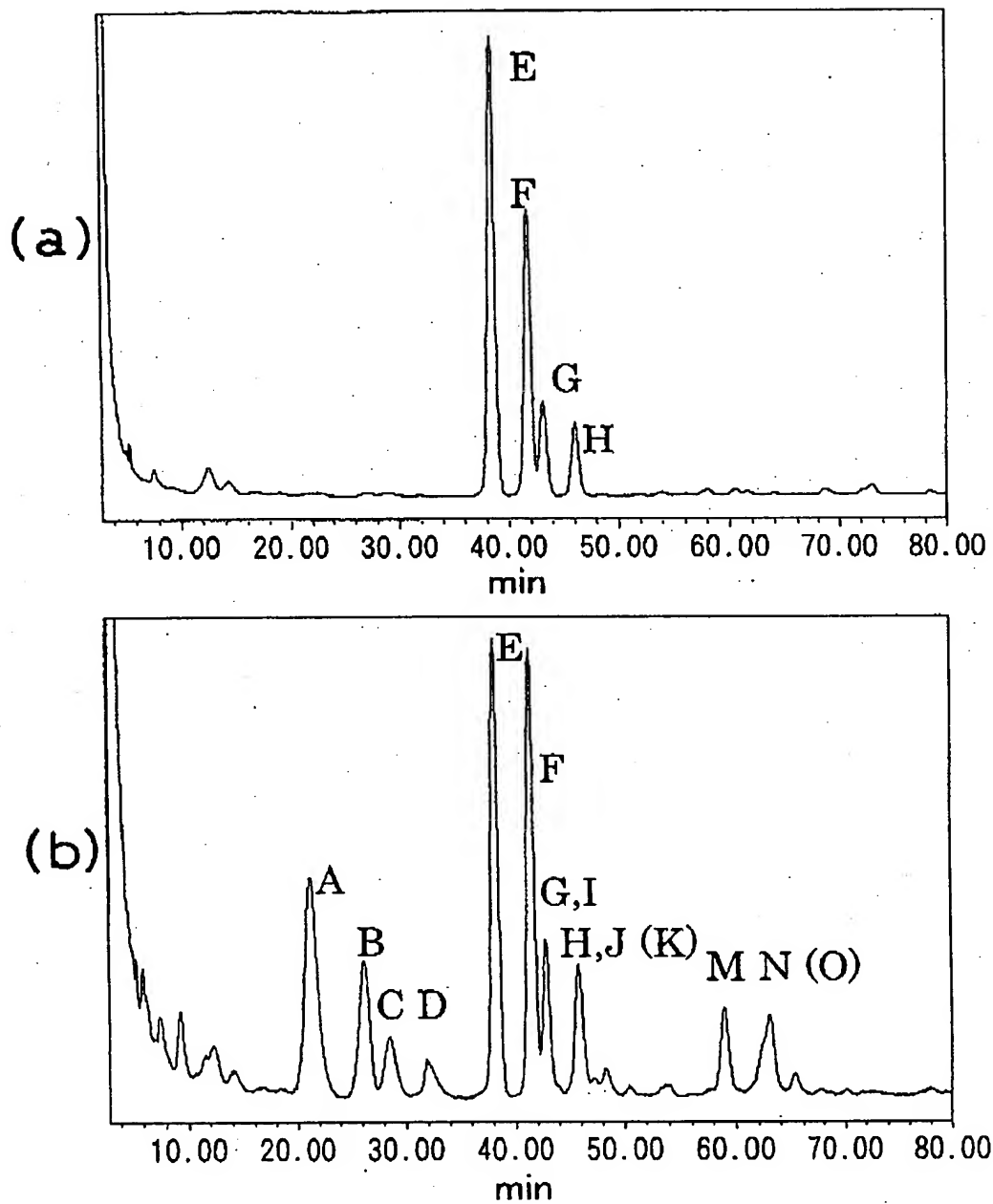


Fig.5

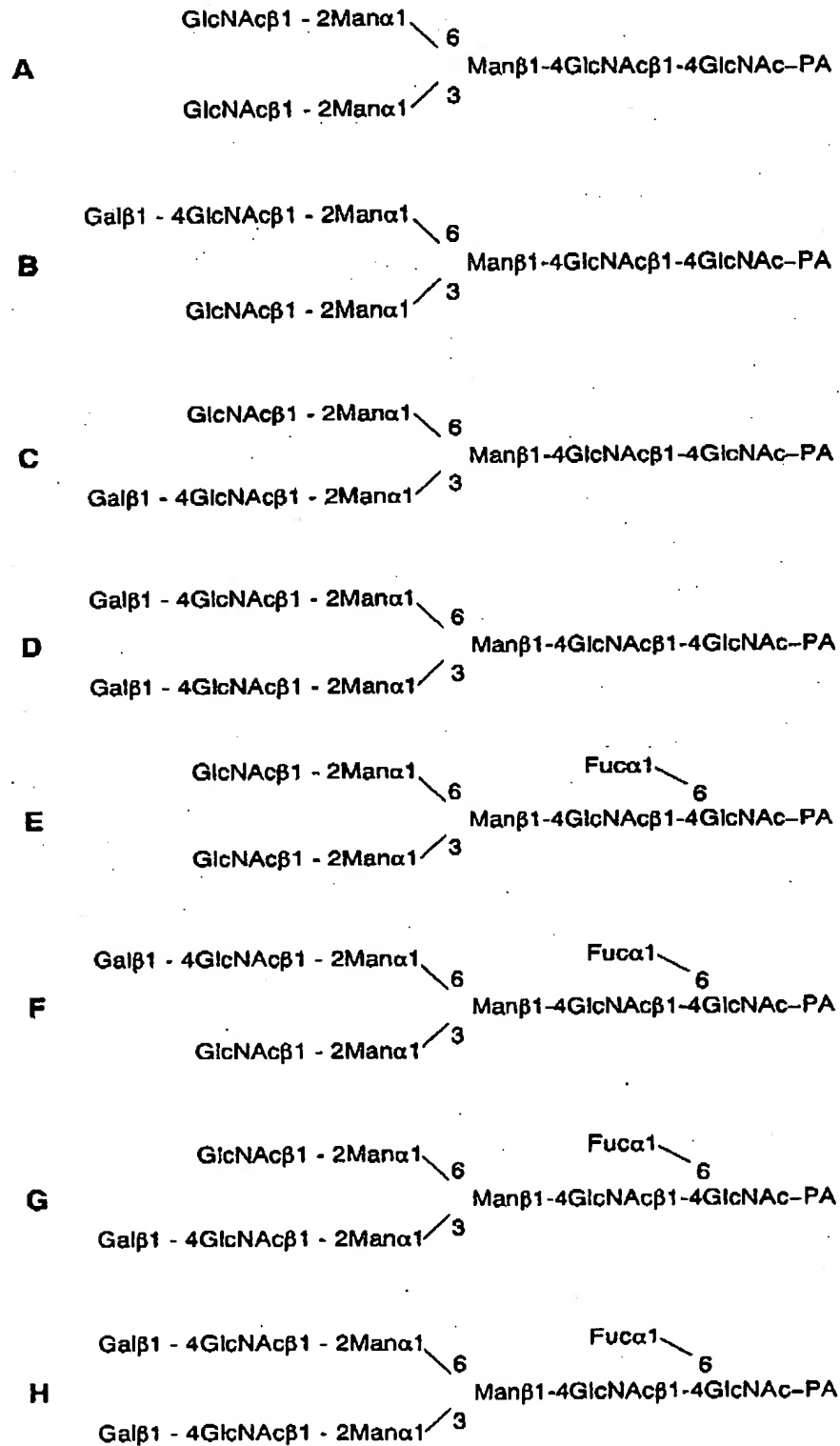


Fig.6

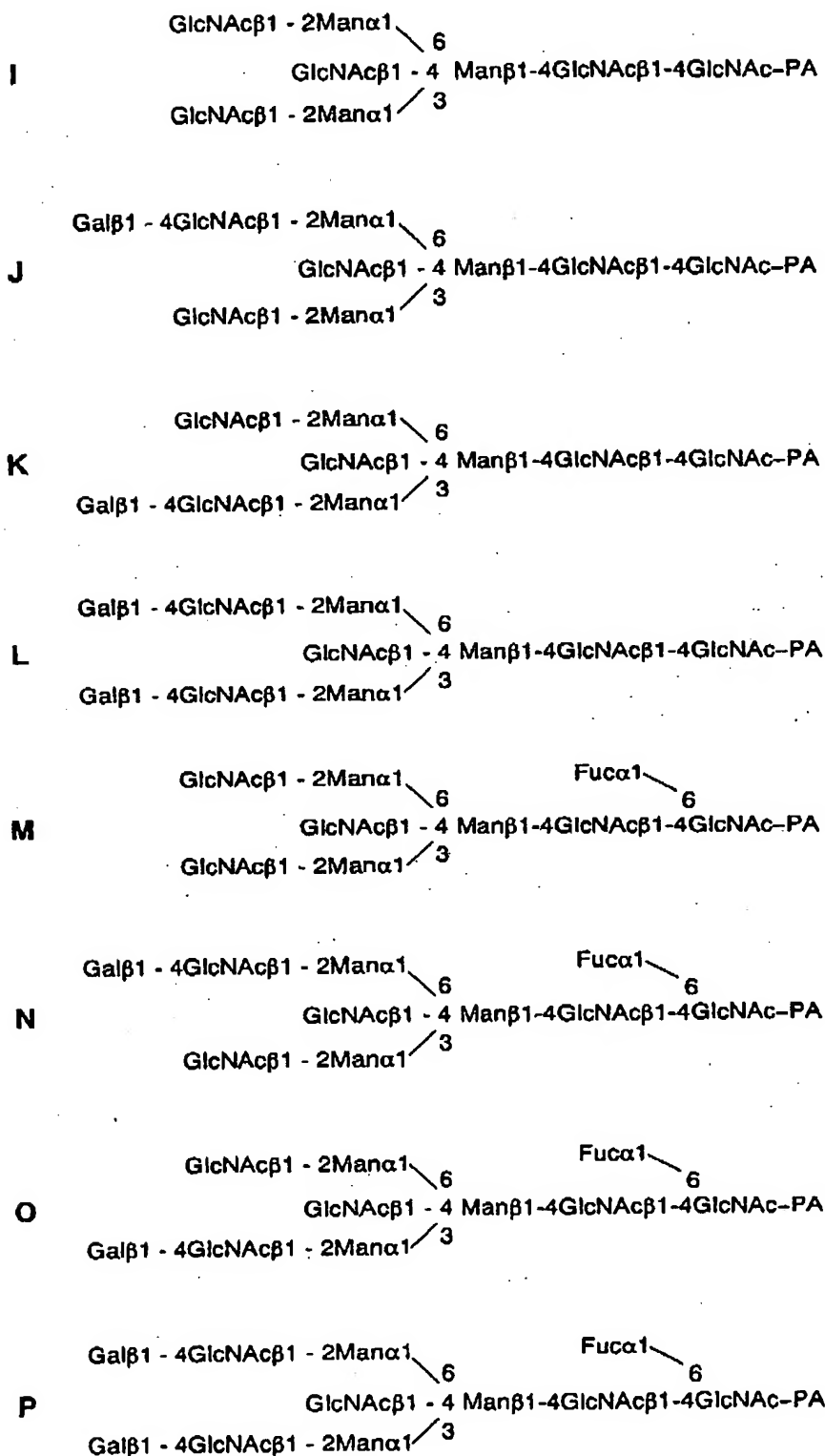


Fig.7

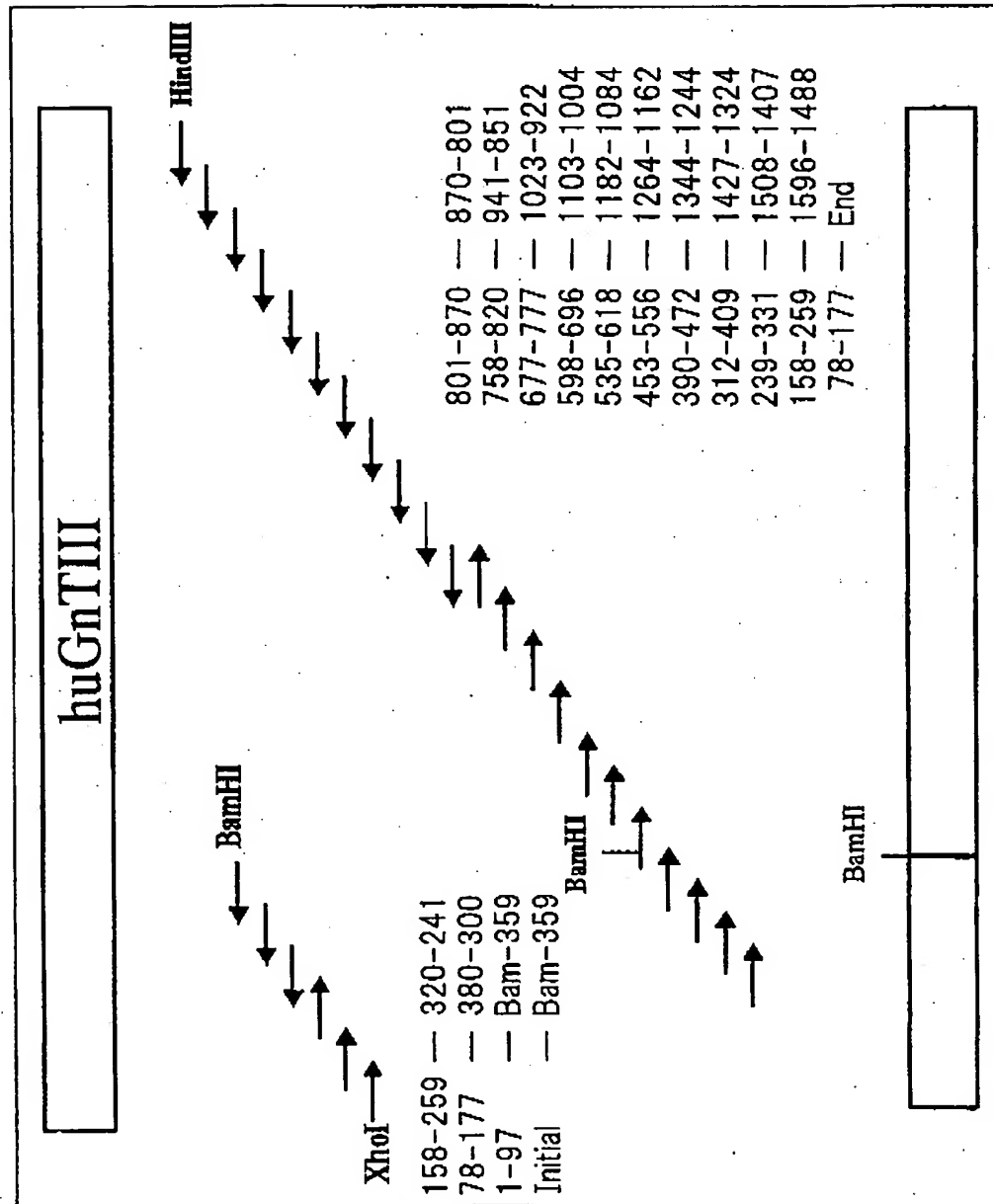


Fig.8

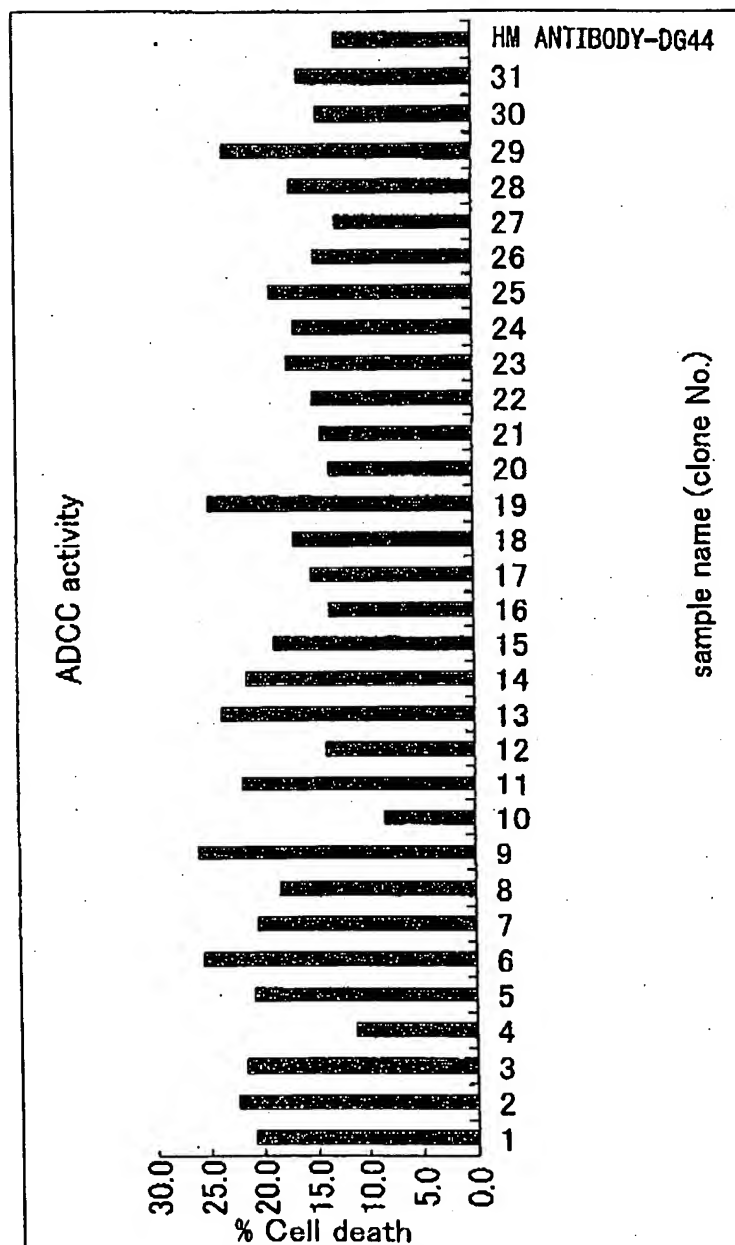


Fig.9

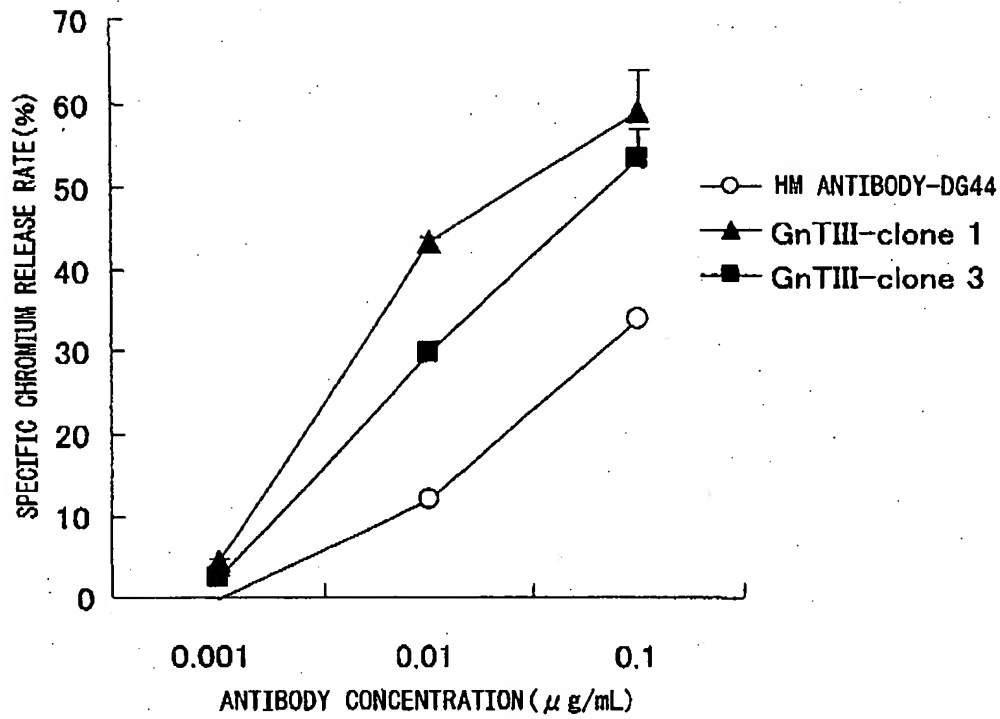


Fig.10

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GnTIII mut.nuc      1:ATGAGACGCTACAAGCTCTTTCTCATGTTCTGTATGGCCGGCCTGTGCCTCATCTCCTTC 60
GnTIII ori.nuc      1:ATGAGACGCTACAAGCTCTTTCTCATGTTCTGTATGGCCGGCCTGTGCCTCATCTCCTTC 60
*****
GnTIII mt.nuc       61:CTGCACCTTCTCAAGACCCCTGTCTATGTACCTTCCACGAGAACTGGCCTCCCTCAGC 120
GnTIII ori.nuc       61:CTGCACCTTCTCAAGACCCCTGTCTATGTACCTTCCCCCGAGAACTGGCCTCCCTCAGC 120
*****
GnTIII mt.nuc      121:CCTAACCTGGTGTCAGCTTTTCTGGAACAATGCCCCGGTCAAGCCCCAGGCCCT 180
GnTIII ori.nuc      121:CCTAACCTGGTGTCAGCTTTTCTGGAACAATGCCCCGGTCAAGCCCCAGGCCCT 180
*****
GnTIII mt.nuc      181:GAGCCAGGAGGCCCTGACCTGTGCGTACCCCACTACTCCCACTGCCCCCTGCTGCAG 240
GnTIII ori.nuc      181:GAGCCAGGAGGCCCTGACCTGTGCGTACCCCACTACTACTCCCACTGCCCCCTGCTGCAG 240
*****
GnTIII mt.nuc      241:CCGCTGCCGCCCCAGCAAGGCGGCCGAGGAGCTCCACCGGGTGGACTTGGTGTGCCCGAG 300
GnTIII ori.nuc      241:CCGCTGCCGCCCCAGCAAGGCGGCCGAGGAGCTCCACCGGGTGGACTTGGTGTGCCCGAG 300
*****
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Fig.12

GnTIII	mt. nuc	601: GAGGTCCGCGCGGTCAATTAATGCTATCAACGTCAACCGAGTTCGACCTGCTGGAC	660
GnTIII	ori. nuc	601: GAGGTCCGCGCGGTCAACGCCATCAACGTCAACCGAGTTCGACCTGCTGGAC	660
		***** ** ** *****	
GnTIII	mt. nuc	661: GTGCGCTTCCACGAGCTGGGCGACGTGGTGGACGCCCTTTGTGTGTGCGAGTCCAACTTC	720
GnTIII	ori. nuc	661: GTGCGCTTCCACGAGCTGGGCGACGTGGTGGACGCCCTTTGTGTGTGCGAGTCCAACTTC	720

GnTIII	mt. nuc	721: ACGGCTTATGGGAGCGCGCGCGCTCAAGTTCGGGAGATGCTGACCAATGGCACCTTC	780
GnTIII	ori. nuc	721: ACGGCTTATGGGAGCGCGCGCGCTCAAGTTCGGGAGATGCTGACCAATGGCACCTTC	780

GnTIII	mt. nuc	781: GAGTACATCCGCCACAAAGTGCTCTATGTCTTCCTGGACCACTTCCTCCTGGAGGACGA	840
GnTIII	ori. nuc	781: GAGTACATCCGCCACAAAGTGCTCTATGTCTTCCTGGACCACTTCCTCCTGGAGGAGCGG	840

GnTIII	mt. nuc	841: CAAGATGGATGGATCGCGGACGACTACCTGGGACCTTCCTCACCAGGACGGCGTCTCG	900
GnTIII	ori. nuc	841: CAGGACGGCTGGATCGCGGACGACTACCTGGGACCTTCCTCACCAGGACGGCGTCTCG	900

Fig.13

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GnTIII mt.nuc  901:CGGCTGCGCAACCTGGGCGCCGACGAGTCTTCATCATGACGATCGGACGAGATCCCG 960
GnTIII ori.nuc 901:CGGCTGCGCAACCTGGGCGCCGACGAGTCTTCATCATGACGATCGGACGAGATCCCG 960
*****
GnTIII mt.nuc  961:GCCCCGTGACGGCGTCTGTTCCTCAAGCTCTACGATGGCTGGACCGAGCCCTTCGCCCTTC 1020
GnTIII ori.nuc 961:GCCCCGTGACGGCGTCTGTTCCTCAAGCTCTACGATGGCTGGACCGAGCCCTTCGCCCTTC 1020
*****
GnTIII mt.nuc 1021:CACATGCGCACGTCGCTCTACGATTCCTTTGGAAGCAACCGGGCACCCCTGGAGGTGGTG 1080
GnTIII ori.nuc 1021:CACATGCGCACGTCGCTCTACGATTCCTTTGGAAGCAACCGGGCACCCCTGGAGGTGGTG 1080
*****
GnTIII mt.nuc 1081:TCAGGCTGCACGGTGGACATGCTGCAGGAGTGTATGGGCTGGACGGCATCCGCCCTGCCG 1140
GnTIII ori.nuc 1081:TCAGGCTGCACGGTGGACATGCTGCAGGAGTGTATGGGCTGGACGGCATCCGCCCTGCCG 1140
*****
GnTIII mt.nuc 1141:CGCCGCCAATACTACACCATGCCCACTTCAGACAGTATGAGAACCGCACCGGACACATC 1200
GnTIII ori.nuc 1141:CGCCGCCAAGTACTACACCATGCCCACTTCAGACAGTATGAGAACCGCACCGGCCACATC 1200
*****

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Fig.14

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GnTIII mt.nuc 1201:CTGGTGCAGTGGTCGCTGGGCAGCCCCCTTCACTTCGCCGGCTGGCACTGCTCCTGGTGC 1260
GnTIII ori.nuc 1201:CTGGTGCAGTGGTCGCTGGGCAGCCCCCTGCACTTCGCCGGCTGGCACTGCTCCTGGTGC 1260
*****
GnTIII mt.nuc 1261:TTCACGCCCGAGGGCATCTACTTCAAGCTCGTGTCCGCCAGAAATGGCGACTTCCCACGC 1320
GnTIII ori.nuc 1261:TTCACGCCCGAGGGCATCTACTTCAAGCTCGTGTCCGCCAGAAATGGCGACTTCCCACGC 1320
*****
GnTIII mt.nuc 1321:TGGGGTGACTACGAGGACAAGCGGGACCTGAACACTACATCCGCGGCTGATCCGCACCGGG 1380
GnTIII ori.nuc 1321:TGGGGTGACTACGAGGACAAGCGGGACCTGAACACTACATCCGCGGCTGATCCGCACCGGG 1380
*****
GnTIII mt.nuc 1381:GGCTGGTTCGACGGCACGAGCAAGAGTACCCGCCCTGCAGACCCAGCGAGCACATGTAT 1440
GnTIII ori.nuc 1381:GGCTGGTTCGACGGCACGAGGAGTACCCGCCCTGCAGACCCAGCGAGCACATGTAT 1440
*****
GnTIII mt.nuc 1441:GCGCCCCAAGTACCTGCTGAAGAACTACGACCGGTTCCACTACCTTCTGGACAACCCCTAC 1500
GnTIII ori.nuc 1441:GCGCCCCAAGTACCTGCTGAAGAACTACGACCGGTTCCACTACCTGCTGGACAACCCCTAC 1500
*****
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Fig.15

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GnTIII mt.nuc 1501:CAGGAGCCCAGGAGCACGGCTGCGGAGGATGGCGCCACAGGGGTCTGAAGGAAGACCG 1560
GnTIII ori.nuc 1501:CAGGAGCCCAGGAGCACGGCGCGGGTGGCGCCACAGGGGTCCCCGAGGGAAGGCCG 1560
*****
***** ** ***** ** ***** ***
GnTIII mt.nuc 1561:CCTGCTCGGGGAAAACCTGGACGAGCGCGAACTCTAG 1596
GnTIII ori.nuc 1561:CCCGCCCGGGGCAAACTGGACGAGCGCGGAAGTCTAG 1596
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